BRUATH BANGALORE MAHANAGARA PALIKE

Project Division, Rajarajeswarinagar Zone.

Name of the Work: Development of Park And Play Ground at Siddarthanagara in Ward No.16 Rajarajeswarinagar Zone.

Work Code: **Est.Cost Rs. 50.00 Lakhs**

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
1	Earthwork in surface excation in **hard soil** for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cable) and removing the excavated stuff to distance not exceeding 50m and lift up to 1.5m excavated surface leveled and neatly dressed disposed as per specification. pathway and as per the direction of the engineer in charge of the work - in hard soil PWD(BC) SR 2011-12 Item No.2.1 Page No.5								
	BR=157.00+6%=166.42	Cum	1	64+67/2	20.00	0.10+0.15/2	163.75	166.42	27251.00
2	Earthwork excavation for foundation of buildings, water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m. In and above in width, in **hard soil** not exceeding 1.5m in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges complete as per specifications. and as per the direction of the engineer in charge specifications. and as per the directions of the engineer in charge of the work PWD(BC) SR-2011-12 Item No.2.40 Page No.5								
	Play Ground	Cum	62.50+72+64.00=201.50						
	BR=201+6%=213.06		1	201.50	1.20	0.90	217.62		
	Park		24.20+20+67=127.00						
			1	127.00	0.75	0.75	71.44		
	pathaway		2	185.00	0.35	0.35	45.33		
							334.38	213.06	71244.00
3	Providing and Laying in position plain cement concrete of mix **1:4:8** using **40**mm and down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the direction of the engineer in charge of the work PWD(BC) SR 2011-12Item No.4.3 Page No.12								
	Play Ground	Cum	1	201.50	1.20	0.15	36.27		
	Park		1	127.00	0.75	0.15	14.29		
			20	2.10	1.10	0.15	6.93		
	BR=3518.00+6%=3729.08						57.49	3729.08	214385.00
4	Providing and constructing granite/ trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification, PWD(BC) SR 2011-12 Item No.5.60 Page No.25								
	BR=2568+6%=2722.08	Cum	1	201.50	0.9+0.75/2	0.75	124.67		
			1	127.00	0.75	0.6	57.15		
							181.82	2722.08	494928.59

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
	Providing and constructing granite/ trap / basalt size stone masonry in Basement with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification, PWD(BC) SR 2011-12 Item No.5.9 Page No.26								
5		Cum	1	201.50	0.75+0.6/2	1.20	163.21		
			1	127.00	0.75	0.60	57.15		
							220.36		
	deduct poles		101	0.45	0.45	0.6	12.27		
			64	0.35	0.35	0.35	2.74		
	BR=3006.00+6%=3186.36						15.02		
							205.34	3186.36	654287.00
	KSRB 4.2.3: Providing and Laying in position plain cement concrete of mix **1:2:4** using **20**mm and down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms. Thick, vibrated for all works in foundation pllinth and ground floor level for roof slabs, stair case, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 PWD(BC) SR 2011-12 Item No.4.6 Page No.12								
6		Cum	1	201.50	0.60	0.10	12.09		
			1	127.00	0.60	0.10	7.62		
	Play Ground Add poles		101	0.45	0.45	0.6	12.27		
	Park Add poles		64	0.35	0.35	0.35	2.74		
	benches		20	2.10	1.10	0.10	4.62		
	BR=3959.00+6%=4196.54						39.35	4196.54	165134.00
	Providing **flush** pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. PWD(BC) SR 2011-12 Item No.15.2 Page No.119								
7	BR=67.00+6%=71.02	SQM	2	201.50		1.00	403.00		
			2	127.00		0.50	127.00		
							530.00	71.02	37641.00
	Supplying and fixing **M.S.Rectangular** poles made out of 2 equal angles of 65x65x6 mm welded together and fixing in CC (1:2:4) With 2 nos. 16mm dia M.S. hold fast rods each of lenth 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineering-in-charge of work and including porividing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete) PWD(BC) SR 2011-12 Item No.37.20 Page No.259								
8	BR=816.00+6%=864.96	Rmt	101			2.70	272.70		
			64			1.5	96.00		
							368.70	864.96	318910.75

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
9	Providing **Chain Link Fencing** 50mm size of 8 gauge property strectched between rectangular poles and fixing with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. PWD(BC) SR 2011-12 Item No.37.30 Page No.265								
	BR=542.00+6%=574.52	SQM	1	201.50		2.10	423.15		
			1	127.00		1.50	190.50		
							613.65	574.52	352554.20
10	Providing and fixing **M.S.Block** pipe of 38mm dia, of heavy gauge of 14 including remving the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S.Rectangular poles) spot welding the chain link with MS Block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete inluding two coats of approved quality paint over one coat of shop paint. PWD(BC) SR 2011-12 Item No.37.40 Page No.265								
	Basic Rate=257+6%=272.42	Rmt	3	201.50			604.50		
			2	127.00			254.00		
							858.50	272.42	233873.00
11	Providing and fixing Pre cast **solid concrete** kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plasting and finishing cutting etc., complete size:0.50x0.15x0.45 and as per the direction of the engineer in charge of the work PWD(BC) SR 2011-12 Item No.5.29.1 Page No.28								
	BR=230.00+6%=243.80	Each	2x185=370/0.45=825				825	243.80	201135.00
12	Providing and heavy duty cobbles stones 60mm thick inter lock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tones compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its ginal compaction of paver surface joints into its final level, including cost of materials, labour and HM of machineries complete as per specification and as per the direction of the engineer in charge of the work PWD(BC) SR 2011-12 Item No.14.6 Page No.108								
	BR=654+6%=693.24	SQM	3	18.00	2.40		129.60		
			2	65.00	2.40		312.00		
							441.60	693.24	306135.00
13	Providing and applying ready mix priming coat over concrete/ masonry / absetos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. P-128, I-15.80								
	BR=20+6%=21.20	Sqm	2	185.00	0.30		111.00	21.20	2353.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
14	Providing and applying **Spray Painting** in two coats (excluding priming coat) over concrete / masonery / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. and as per the direction of the engineer in charge of work PWD(BC) SR 2009-10 Item No.15.81 Page No.128								
	BR=52.50+6%=55.65	SQM	2	185.00	0.30		111.00	55.65	6177.00
15	Providing and fixing Joint bench of Granite made out of Sadarahalli Grey Stone legs with back supporting with 150mm slab with 4line finishing. all accessories and with all lead and lift, loading and unloading etc., complete and as per approved design and directions of the Engineer-in-charge. vide office order 22/09-10 dated: 14/08/2009. Hort Lalbag.								
		Each	20				20	10500.00	210000.00
16	Provding and fixing Ornamental **MS Dust Bins** as per the design and directions and excavating as per the direction of the Engineeri in-charge of the work PWD(BC) SR-2010-11 Item No. Page No.								
		Each	10				3	4800.00	14400.00
17	Providing and fixing RCC nane board of size 1.35xk0.60x0.04 mtrs fixing in reinforced cement concrete poles of size 0.10x0.10x2.60mtrs in cement concrete 1:1 1/1:3 proportion using 20mm and down size graded metal machine mixed with 10mm dia main steel bar and 8mm dia stirpes as shown in drawing. The boark shall be provided with 12mm thick cement plaster in cement mortar 1:3 on both the sides. The poles shall be embedded in the ground for a depth of 0.5 mtrs with cement concrete 1:3:6 proportion. The board shall be fixed as per the drawing and at the place indicated by the Engineering charges of the work. The cost includes excavation cost of all materials, cost of steel, centering, transportation charges, fixing charges etc, The work shall be carried out as per the detailed specifications, drawings and directions of the engineer in charges of the work Page No.236 I.No.37.59								
	BR=4700.00+6%=4982.	Each	2				2	4982.00	9964.00
18	Providing Ornamental **grill Gate** as per the design and drawing enclosed and as per the direction of the Engineer-in-chareg of the work. As per Data Rate Approved								
			1	0.75		1.45	1.09	3400.00	3697.50
19	Providing nad Fixing MS gate as Per Drawing Made od 14 Guage 50/50mm Square Hallow Section For allround Frame and 16mm Square Rods are Welded Symmetrically With a gape Stadium main gate Data rate Got to approved								
	Play Ground Gate		1	3.55		2.40	8.52		
	Park gate		1	3.75		2.40	9.00		
							17.52	6500.00	113880.00
20	Providing C-Section 100x50 for gate pols 8' Page-13, I-No.351 BR=42+6%=44.52								
	Play Ground	2	2	2.50			10.00		
	park	4	2	3.00			24.00		
							34.00		
					34.00	18	612.00	44.52	27246.00
21	Supplying and Fixing 10cm thick BS Slab and one line dressing to granite stone slab/ granite stone masonry as per specifications. Page No.28 I No.5.31& P-27, I.No.5.17)								
	Basic Rate=460+388+6%=898.88	Sqm	2	3.00	1.20		7.20	898.88	6472.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
22	Cost of howlage including loading, unloading surface road up to 10kms . Loading and unloading charges PWD(BC) SR 2011-12 Item No.17.10 Page No 141,& P-147 Note15x1.28x2.00=38.40+62.20=100.60*6% =106.64								
	Removing debris up to 15 Kms	Cum		334.38		Qty Ltd	334.38	106.64	35658.00
							TOTAL		**3507326.0**
	Borewell								
23	Geophysical investigation of site for sinking borewell for supply drinking water to the habitation either through the hand pump M.W.S or P.W.S.S by vertical electrical sounding by adopting venner or schlumberger's method including reconnaissance survey of geological formation Geophysical investigation of existing ground water infecundity its quality, quantity & acceptability of the user indicating the location of site recommended depth of casting pipe required to seal the top in consolidated formation including an extra depth of 1.00 Mtr in consolidated formation of proper scatting of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation technical personal and labour etc.,**PRE SR 2010-11 It no.9. 4, Page no.37**								
		Each	1				1.00	1900.00	1900.00
24	Sinking borewell of 165 mm dia clear using super fast hydraulic Rig of capacity 250 PSIG and Above 900 CFM & above in all Strata including over burden upto 20 mtrs fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of Rig and Supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap, etc.,**PRE SR 2010-11 It no 9.1 Page no.36**								
	a) 0.00 to 50.00 mtrs	Rmt	1			50	50.00	287.00	14350.00
	b) 50.00 to 100.00 mtrs	Rmt	1			50	50.00	379.00	18950.00
	c) 100.00 to 150.00 mtrs	Rmt	1			50	50.00	422.00	21100.00
	d) 150.00 to 200.00 mtrs	Rmt	1			50	50.00	464.00	23200.00
	e) 200.00 to 250.00 mtrs	Rmt	1			40	40.00	513.00	20520.00
25	Supply of ISI mark 175 mm nominal Bore, Plain end Steel casing Pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free rom defects. The tubes shall be reasonably straight should be with ISI Marking, weighing 25.10kg/mtr. (Inclusive of all taxes and durties). Prices include Collar-medium duty.**PRE SR 2010-11 Page No.ii Item No.53 (a)**								

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
	a) Casing Pipe	Rmt	1			30	30.00	1325.00	39750.00
26	b) Additional Rate on Item no.9.1 & 9.2 is allowed for drilling in over burden & fixing casing pipe beyond 20 mtr. (for fixing casing pipes only) i) above 20 mtr. & upto 30 mtr. 15% **PRE SR 2010-11 Page No.38 Note (1)**								
			1			10	10.00	43.05	431.00
27	Providing 175 mm dia **bore Cap , PRE SR 2010-11Page No.ii Item No.54**								
		Each	1	1			1.00	100.00	100.00
28	Providing 175 mm dia **MS Collar PRE SR 2010-11 Page No.ii Item No.55**								
		Each	1	4			4.00	150.00	600.00
29	Supplying and delivery at site brand new texmo / innoval / Lubi / Sabar / Atalanta / Calamal make suitable for vertical installation in 150mm dia borewell comprising of single stage of multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage **submersible induction motor** suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return value etc., complete. The pump and motor shall form an integral unit with all the required fittings for suitable HP of motor and stage **(CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)**								
		No.	1			1	1.00	42204.00	42204.00
30	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper donductor confirmining to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100Volts. **(PWD Electrical SR 10-11 Chapter 6,P.No.49 It no.29.c.1 c) 4Sqmm of 56strands 0.3mm dia.** 1) Group A								
		Rmt.	2	210.00			420.00	151.00	63420.00
31	Errection of pumpset Including aligning and balance with all necessary errection of materials and labour including supply and errection of One pair of supporting clamps, borewell cap cable clips with bolts nuts valve gauges etc., involved in the job. (necessary GI pipe and specials will be supplied by the board at the site free of cost) **(CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)**								
		Nos	1				1.00	1710.00	1710.00
32	Supplying and fixing **50mm Non Return Vavle** of vertical type of apporved make including cost of all materials labour HOM of equipment with all leads complete as per Speciifcation **PWD SR 10-11, Page no.81, It no.13.62**								
		Nos	1				1.00	1057.88	1058.00
33	Supplying and fixing 50mm **GI Union PWD SR 2010-11 Page No.XXXIII**								
		No	2				2.00	223.70	447.00
34	Supplying and fixing 50mm **GI Elbow PWD SR 2010-11 Page No.XXXIII**								
		No	4				4.00	111.80	447.00
35	Supplying and fixing 50mm **GI Nipple PWD SR 2010-11 Page No.XXXIII**								

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
		No	2				2.00	104.30	209.00
36	Supplying and fixing 50mm **GI Collar PWD SR 2010-11 Page No.XXXIII**								
		No.	34				34.00	100.00	3400.00
37	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK Controls best indigenous make combined energy **meter cum control panel board unit** of size 1200x600x350 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50 Hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 volts AC supply shall be consists etc, complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with Star Delta Starter out door type 10 HP to 15 HP **(CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)**								
		Nos	1				1.00	6630.00	6630.00
38	Supplying and fixing galvanized steel tube Heavy class IS 1239 (Part 1990) **50mm GI Pipe** (CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)								
		Mtrs	1	200.00			200.00	402.75	80550.00
39	Erection of combined **panel board and meter unit** with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete **(CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)**								
		Nos	1				1.00	425.00	425.00
40	Supplying of **TPST** with rewireable porcelain Channels in SM encloser 32 amps group 'C' **PWD Ele SR 10-11 P.32 It No.1(a)(2)**								
		Nos	1				1.00	1365.00	1365.00
41	Supplying and fixing **20"x20"x2.5" polished wood board** made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts. **(PWD Electrical SR 10-11, P no32/It no.2(f)**								
		Nos	1				1.00	285.00	285.00
42	Supplying and fixing LED Type **panel board** indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC,Group 'A'**(PWD Electrical SR 10-11 P No. 40/It .no34(b)**								
		Nos	1				1.00	430.00	430.00
43	Wiring for lighting/ power circuit using one of PVC insulated 1100V grade, multis and copper conducted single core cable in open or concealed system of wiring. Group B 4 Sqmm **(PWD Electrical SR 10-11 P No. 9/It .no 20.2(d))**								
		Mtrs	1	5			5.00	30.00	150.00
44	Suppling shunt capacitor conforming to IS 2834,3 phase 400/440 volts grade for power factor improvement of rotating machinarery capacitor in KVAR rating Nos 2 KVAR Capacity **(PWD Ele SR 10-11 P -30, I no.15 (a))**								
		Nos	1	3			3.00	120.00	360.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
45	Supplying and fixing miniature Circuit breakers on exisiting MCB distribution boards using necessary fixing materials and 'C' type curve ,indicator ON/OFF ,energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required e) 5-32Amps TPN **(PWD Electrical SR 10-11P No. 37/It .no 12.E(1))**								
		Nos	1				1.00	1005.00	1005.00
46	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specification 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts, etc, the pipe shall have 16 throught holes of 122 mm dia **(PWD Electrical SR 10-11- P no.68/ It No.1)**								
		Each	1				1.00	1950.00	1950.00
47	Supplying and fixing class A (medium duty) - GI pipe of wall thickness not less than 3.25mm on pole / wall / drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V class 40 mm **(PWD Electrical SR 10-11 - P no.70/It no.9.a))**								
		mtr	2	2.4			4.80	240.00	1152.00
48	Supplying of **LTUG Cable** having aluminium conductor PVC insulated sheathed, galvanized steel wire / steel 4 core 16 sqmm **(PWD Electrical SR 10-11, P no.69/It no.4 1 d)**								
		Mtrs	2	30			60.00	150.00	9000.00
49	Labour charges for laying of 1.1 KV class UG cable 6 sqmm to 16 sq mm **(PWD Electrical SR 10-00, P no69/It no.5.1 (a)**								
		Mtrs	2	30			60.00	8.00	480.00
50	Digging of trenches of 0.6x0.5m wide refilling the trench to the required ground level and consolidating etc., complete cutting road surface **(PWD Electrical SR 10-11,P no70/It no.6.c)**								
		Mtr	2	25			50.00	60.00	3000.00
51	Supplying and fixing LT cast iron pot heads suitable for 1.1 K.V. class UG cable filled with necessary bitumin insulating compound complete with terminals, clamps, bolts nuts & washers etc., for 16 sqmm **(PWD Electrical SR 10-11 - P no. 70/It No.10.b)**								
		Nos	2				2	260.00	520.00
52	Supplying procelin fuse channel with cutouts on existing wooden/panel using necessary nuts bolts and Washers etc complete **(PWD Electrical SR 10-11 - P no.32/It no.3 b)**								
		Nos	2	3			6.00	100.00	600.00
53	BESCOM Deposit	L.S	1				1.00	18000.00	18000.00
54	Providing and fixing 65mm dia Gun Metal Wheel valve conforming to IS, Specification of approved make as per directions including all lead and lift etc.,complete 50mm **(PWD SR 10-11, XVII/480)**								
		Nos	2				2.00	1200.00	2400.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
55	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specifications.No.KBS 2.1(b) / 2.3.5 (PWD SR2011-12, PNo.5/It.No.2.4)								
	BR=201+6%=213.06	Cum	1	140	0.60	0.75	63.00	213.06	13423.00
56	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite rolling and lowering into trenches laying true line and level and perfect linking at joints testing and commisioning including loading amd un loading at both destination and cuts of pipes wherever necessary incluinding jointing of PVC pipes and specials (excluding cost of specials) with jointing of approval type with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavtion etc.,complete and giving necessary hydraluic test to the required pressure as per IS(Contractor will make his own arrangemnet for procuring water for testing) 6 kg/cm2 63 mm dia PRE SR10-11 P.No.14/It No.3.4.2								
		Rmt	1	140			140.00	88.00	12320.00
57	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m including cost of all labour complete as per specifications allow 60 % of rate considered under item KSRB 2.3 (PWD SR 2011-12, P.No.6/It.No.2.11)								
	BR=54+6%=57.24	Cum	1	63			63.00	57.24	3606.00
58	PLAY PLATFORM: This multi play system comprises of two platforms with serrated moulded plastic canopies. The platforms are 3 ft x3 ft in size with 10mm perforated MS blackended base main pillars are in 65mm MS 'A' class pipe The platforms are extended into a twin single moulded plasti twin slide, one number single moulded plasti spiral slide, a chain ladder, a vertical ladder with 25mm dia MS pipes, a conventional rectangular step ladder 50x25mm, 6ft x 6ft. long trapeze ring hanger made out of 20mm dia MS pipes, 3ft long loop hanger made of 20 ida MS pipes, a tic-tac panel colour, planked two segment bridge of right angle of length, 8ft and an open one arch bridge and one hanging bridge panel, Effective heights of platforms are 4 feet above the ground level moulded plastic slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. All MS 'A' class pipes are of ISI grade and as directed by the engineer in charge of the work.								
		Set	1.00				1	670000.00	670000.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
59	DUCK WHEEL:- This is a macro Duck wheel revolver made up a feet diameter platform with 1.5mm thick Aluminium chequered plate supported wall at the bottom. There is an 100mm dia MS pipe at the center with two nos of ball bearings, The top 1 no circular 32mm NB pipes supported by 3 verticel pipes. 1 duck and single seating arrangements fixed at bottom. The main shaft fixing in cement Concrete 1:2:4 with 20 mm down size jelly, preparation of play yard with sand filling up to the required depth, and kerb stones to be fixed at yard bounderty including painting etc complete, and as directed by the engineer in charge of the work.								
		Set	1				1.00	68000.00	68000.00
60	2-Seater Swing:- This swing consists of 2 Nos. seats of solid fibbed FRP of size 480mm x 180mm x 3.5mm supported by MS chains (heavy)of length 1.8mtrs, each seat is suspended by 2 lines of chains. The chains are supported by circlular housing with bearing from which the chain in suspended. The main beam is of 50mm MS 'A' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, the length of the main beam is 5.30mtrs and height 2.00 mtrs. The 2 Nos inverted 'V' beams are of 50mm 'A' class pipes secured at the top the main beam by means of CI castings. (Heavy duty for elders) All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide and as directed by the engineer in charge of the work.								
		Nos	2.00				2	46000	92000.00
61	SEE-SAW (2 SEATER): This equipment is made up of main beam 50mm MS pipe 'A' class of length 1.98 mtr. With two handles welded at the ends as a hand are made of 20mm 'A' class pipe. The main beam is pivated to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joints which swivel over 28mm Dia steel shaft, which gets installed in the ground by means of concrete 2 nos, seats are made of 16SWG MS sheets with T hand rest at the front. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide and as directed by the engineer in charge of the work.								
		Nos	2				2.00	28000	56000.00
62	Supplying sand PW SR Page-II I.No.0731 SR 2011-12 Basic Rate Pii Ino28= = 950.00/cum Lead chargesP147 2.00x1.28x10. =25.60 Loading/un loading P-141 ,Ino17.10 =62.20 Total Rs= 1037.80/cum								
		Cum	1	20.00	5.50	0.20	22.00	1037.80	22832.00
63	Providing Architectural Entrance Plaza and Name Board as per Design and drawings Approved Data Rate to be Approved								
		LS	1					170000.00	170000.00

Sl No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
	Miscellaneous and nforeseen Charges	LS							5715.20
	TOTAL Rs.								5000000.00

(Rupees Fifty Lakhs Only)

CERTIFICATE:

1] This work comes under B.B.M.P.Limits

2] This Removing Debris up to 10 km lead and lift

3] The Provisions made in the Estimate are necessary

4] The Estimate is based on the C.S.R. of 2011-2012. and Data app

'A.E/J.E
'RR nagar Sub-Division
'B.B.M.P

Assistant Executive Engineer(Project)
RR nagar Sub-Division
B.B.M.P

Executive Engineer(P)
RR nagara Division
B.B.M.P

ADMINISTRATIVE APPROVED

Rs : 50,00000/- (Rupees fifty lakh only) is accorded

under the head : P- 2274

By AC (R.R.N.) : 433

Vide [illegible] Page No. 100 & 101 subject

to conditions contained in inclosed memo

No. : AS/433/12-13 Date : 24/07/13

TA.

AC (R.R.N.)

24/7/13

TECHNICAL SANCTION

Rs: 50,00000/- (Rs. fifty lakhs only) is accorded

under the head: P2274

By CE(R.R.N.): Vide page No-4, Sl No-16

Registered as CE (R.R.N) No: 16 subject

to conditions contained in enclosed memo

No: 16/12-13 Date: 26/7/13

CE (R.R.N.)